

at least one duct defining a single flow path and contacting an outer wall of each of said cells in a serial manner adapted to allow a liquid medium to flow therethrough.

11. (Once Amended) A thermal management system for a battery including a plurality of cells, comprising:

at least one thermal jacket for receiving a liquid thermal medium;

wherein said at least one thermal jacket defines a single flow path, and is located between and contacts adjacent one of said cells in a serial manner.

27. (Once Amended) A thermal management system for a battery including a plurality of cells, comprising:

a plurality of thermal jackets for receiving a liquid thermal medium;

wherein each of said plurality of thermal jackets is located between adjacent ones of said cells, and

a heating and cooling apparatus to heat or cool said liquid.

31. (Once Amended) A thermal management system for a battery including a plurality of cells, comprising:

a plurality of thermal jackets for receiving a liquid thermal medium;

wherein each of said plurality of thermal jackets is located between adjacent ones of said cells, and

wherein at least one of said plurality of thermal jackets has a rectangular cross-section.

32. (Once Amended) A thermal management system for a battery including a plurality of cells, comprising:

a plurality of thermal jackets for receiving a liquid thermal medium;

wherein each of said plurality of thermal jackets is located between adjacent ones of said cells, and

wherein at least one of said plurality of thermal jackets has a changing cross-section throughout the length of said at least one thermal jacket.

34. (Once Amended) A thermal management system for a battery including a plurality of cells, comprising:

a plurality of thermal jackets for receiving a liquid thermal medium;

wherein each of said plurality of thermal jackets is located between adjacent ones of said cells, and

a heating and cooling apparatus to which each of said plurality of said thermal jackets is connected.

46. (Once Amended) A thermal management system for a battery including a plurality of cells, comprising:

a plurality of thermal jackets for receiving a liquid thermal medium;

wherein each of said plurality of thermal jackets is located between adjacent ones of said cells, and

wherein each of said plurality of thermal jackets has a changing cross-section throughout the length of said thermal jackets.

47. (Once Amended) A method of thermally managing the temperature of a battery including a plurality of cells by thermally managing the temperature of said cells, comprising:
passing at least one hollow tube, defining a single flow path, among at least some of said cells so as to make contact with said at least some of said cells in a serial manner; and
passing a liquid medium through said at least one hollow tube.

(Please add the following new claims)

56. (New) The method of claim 47, further comprising looping said hollow tube around said cells more than once.

57. (New) The method of claim 47, further comprising ribs disposed on an internal surface of said hollow tube.
